


6 Pin Power Connector

Pin	Function	COLOR
1	Brake(+)	BLACK
2	U	YELLOW
3	V	RED
4	W	BLACK
5	Brake(-)	BLACK
6	PE	YELLOW/GREEN



6 PIN

17 PIN Encoder Connector

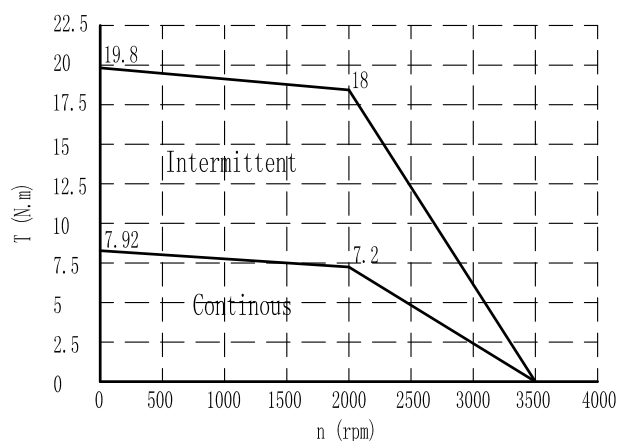
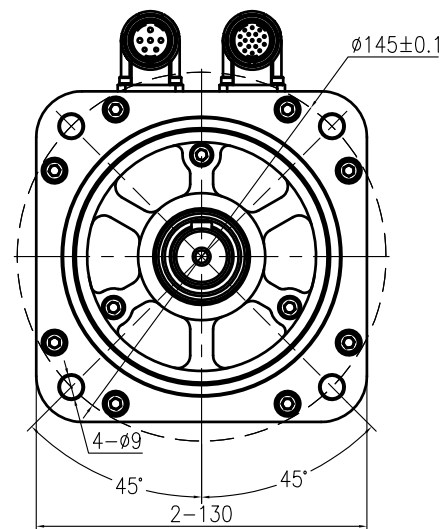
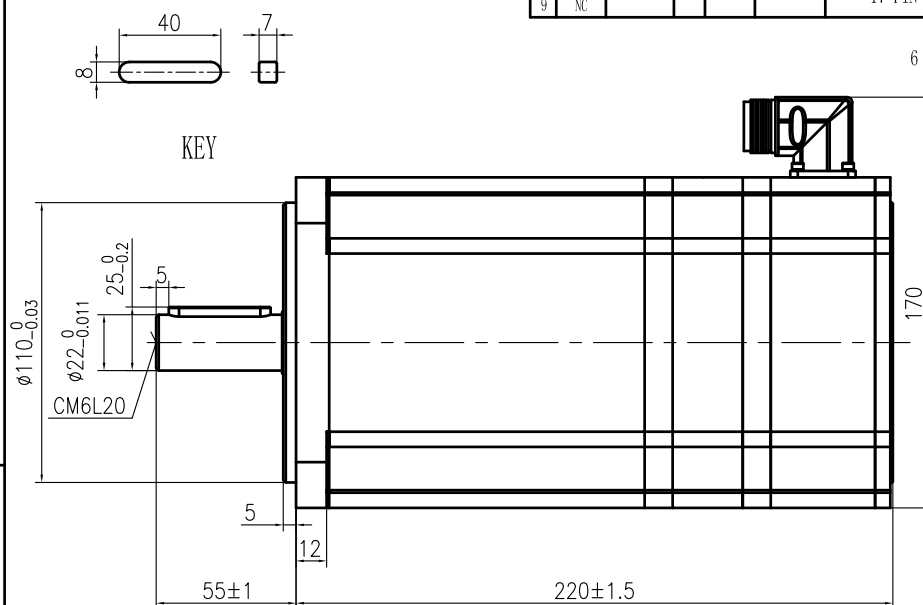
Pin	Function	COLOR	Pin	Function	COLOR
1	VCC+	WHITE	10	NC	
2	GND	BLACK	11	NC	
3	VB	ORANGE	12	NC	
4	GND	BROWN	13	SHIELDING	
5	NC		14	NC	
6	NC		15	NC	
7	NC		16	SD	BLUE
8	NC		17	/SD	PURPLE
9	NC				



YL221ZJ
17 PIN

6 PIN MOTOR CONNECTOR

17 PIN ENCODER CONNECTOR



S/N: ZCBPK00YYDDNNNN

VI.2	KA19065	LS	ZZB	19.4.2	DESIGN	DATE	P/N.	9.6604SS		
REV	ECN NO.	DRN	APP'D	DATE	YJL	2018.5.31	TITLE	Outside Diagram		
UNLESS OTHERWISE SPECIFIED TOLERANCES: DECIMALS: .x ±0.5 .xx ±0.25 .xxx ±0.1 UNIT: mm DO NOT SCALE DRAWING		MATERIAL		CONTR.	CHECK	2018.5.31	USED ON	SMS130D-0150-20KDK-4HKP		
					ZZB		2018.5.31	DWG NO.		REV V1.2
				APPD	SL					
				FIRST ANGLE PROJECTION		SCALE		Kinco		
					SHEET	OF				

Brake Data

Static Friction	10Nm
Voltage	24VDC
Power	19W

Technical Data

No. of poles		8
DC Link Voltage UDC (DC Link)		560
Rated Power P _N (W)		1500
Rated Torque T _N (N.m)		7.2
Rated Speed n _N (rpm)		2000
Rated Current I _N (A)		4.5
Maximum torque T _m (N.m)		18
Maximum Current I _m (A)		13.5
Standstill torque T _s (N.m)		7.92
Standstill current I _s (A)		4.95
Resistance line-line R _{ll} (Ω)		3.44
Inductance line-line L _{ll} (mH)		31.26
Electrical time constant τ _e (ms)		9.09
Mechanical time constant τ _m (ms)		2.35
Voltage constant K _e (V/krpm)		106
Torque constant K _t (Nm/A)		1.75
Rotor moment of inertia J _m (Kg.cm ²)		12.1
Max. voltage rising du/dt (KV/μs)		8
Insulation class		F
Max. radial force F _r (N)		900
Max. axial force F _a (N)		450
Weight (Kg)		9.8
Feed back device		absolute encoder
		MAR-HX50AHN10
Temperature sensor		n. a.
Cooling method		Totally enclosed non-ventilated
protection level		IP65, shaft sealing IP54
Environmental conditions	Temperature	-20℃~40℃
	Humidity	Below 90%RH (No dewing)
	Environment	Far away active gas, combustible gas, oil drop, ash
	Installation altitude	UP TO 1000m: rated power, above 1000m: 1.5% power decreasing per 100m, max. 4000m
Rating conditions	Mounting	Aluminum flange 457x457x12.7mm
	Temperature	60K housing temperature ring at 40℃ ambient